

PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

June 14, 2004  
(Use several sheets if necessary)

ATTORNEY DOCKET NO.  
1855.2036-001

APPLICATION NO.  
10/706,835

FIRST NAMED INVENTOR  
Kenneth G. Carson

FILING DATE  
November 12, 2003

EXAMINER  
Not assigned

CONFIRMATION NO.  
6925

GROUP  
1616

U.S. PATENT DOCUMENTS				
EXAMINER INITIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
SA	AA	3,770,729	11-06-1973	Nakanishi <i>et al.</i>
	AB	5,801,175	09-01-1998	Afonso <i>et al.</i>
	AC	4,250,176	02-10-1981	Vandenberk <i>et al.</i>
	AD	6,150,355	11-21-2000	Kumazawa <i>et al.</i>
	AE	5,877,177	03-02-1999	Taveras
	AF	4,645,758	02-24-1987	Willman <i>et al.</i>
	AG	4,335,122	06-15-1982	McFadden <i>et al.</i>
	AH	5,011,836	04-30-1991	Eberlein <i>et al.</i>
	AJ	5,688,788	11-18-1997	Andersen <i>et al.</i>
	AJ	6,048,856	04-11-2000	Jørgensen <i>et al.</i>
	AK	6,040,318	03-21-2000	Andersen <i>et al.</i>
	AA2	5,538,986	07-23-1996	Ting <i>et al.</i>
	AB2	4,567,178	01-28-1986	Eberlein <i>et al.</i>
	AC2	5,672,611	09-30-1997	Doll <i>et al.</i>
	AD2	5,089,496	02-18-1992	Piwinski <i>et al.</i>
	AE2	5,302,602	04-12-1994	Oshima <i>et al.</i>
	AF2	5,302,596	04-12-1994	Oshima <i>et al.</i>
	AG2	5,143,922	09-01-1992	Oshima <i>et al.</i>
	AH2	5,242,931	09-07-1993	Oshima <i>et al.</i>
	AJ2	5,118,701	04-23-1991	Oshima <i>et al.</i>
	AJ2	5,010,087	04-23-1991	Oshima <i>et al.</i>
	AK2	4,999,363	03-12-1991	Oshima <i>et al.</i>
	AA3	4,994,463	02-19-1991	Oshima <i>et al.</i>
	AB3	5,679,703	10-21-1997	Yanase <i>et al.</i>
	AC3	5,607,955	03-04-1997	Oshima <i>et al.</i>
SA	AD3	5,478,840	12-26-1995	Oshima <i>et al.</i>

EXAMINER *S. Hwang*

DATE CONSIDERED

21/8/05

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848	AE3	5,478,835	12-26-1995	Kumazawa <i>et al.</i>
	AF3	5,378,701	01-03-1995	Ohshima <i>et al.</i>
	AG3	5,340,807	08-23-1994	Kumazawa <i>et al.</i>
	AH3	5,239,083	08-24-1993	Kumazawa <i>et al.</i>
	AI3	5,116,863	05-26-1992	Ohshima <i>et al.</i>
	AJ3	4,547,496	10-15-1985	Kumazawa <i>et al.</i>
	AK3	3,409,621	11-05-1968	Villani <i>et al.</i>
	AA4	4,042,695	08-16-1977	Buss
	AB4	5,874,428	02-23-1999	Dorwald
	AC4	5,919,776	07-06-1999	Hagmann
	AD4	6,613,905	09-02-2003	Luly <i>et al.</i>
	AE4	6,509,346	01-21-2003	Luly <i>et al.</i>
	AF4	6,503,926	01-07-2003	Luly <i>et al.</i>
	AG4	6,433,165	08-13-2002	Luly <i>et al.</i>
	AH4	6,329,385	12-11-2001	Luly <i>et al.</i>
	AI4	6,288,084	09-11-2001	Luly <i>et al.</i>
	AJ4	6,288,083	09-11-2001	Luly <i>et al.</i>
	AK4	5,010,104	04-23-1991	Oshima <i>et al.</i>
	AA5	6,281,212 B1	08-28-2001	Schwender <i>et al.</i>
	AB5	6,323,206 B1	11-27-2001	Schwender <i>et al.</i>
	AC5	US 2002/0169155 A1	11-14-2002	Luly, Jay R. <i>et al.</i>
848	AD5	US 2003/0045516 A1	03-06-2003	Luly, Jay R. <i>et al.</i>

EXAMINER <i>S. Huang</i>	DATE CONSIDERED <i>8/18/05</i>
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FOREIGN PATENT DOCUMENTS					
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<i>SA</i>	AL	WO 98/11097	03-19-1998	Schering Corporation	
	AM	WO 98/11106	03-19-1998	Schering Corporation	
	AN	WO 97/44329	11-27-1997	Teijin Limited	
	AO	WO 98/04554	02-05-1998	Banyu Pharmaceutical Co., Ltd.	<input checked="" type="checkbox"/>
	AP	WO 98/27815	07-02-1998	Merck & Co., Inc.	
	AQ	WO 98/25604	06-18-1998	Merck & Co., Inc.	
	AL2	WO 98/25605	06-18-1998	Merck & Co., Inc.	
	AM2	WO 98/25617	06-18-1998	Merck & Co., Inc.	
	AN2	WO 89/10369	11-02-1989	Schering Corporation	
	AO2	WO 00/14086	03-16-2000	Leukosite, Inc.	
	AP2	WO 96/31498	10-10-1996	Novo Nordisk A/S	
	AQ2	DE 80449	09-25-1969	Kretzschmar, E. et al.	<input checked="" type="checkbox"/>
	AL3	CZ 240 698	06-01-1987	Miroslav Protiva et al.	<input checked="" type="checkbox"/>
	AM3	WO 92/16226	10-01-1992	Smithkline Beecham Corporation	
	AN3	WO 99/37651	07-29-1999	Leukosite Inc.	
	AO3	WO 98/11099	03-19-1998	Schering Corporation	
	AP3	WO 98/11098	03-19-1998	Schering Corporation	
	AQ3	WO 98/11096	03-19-1998	Schering Corporation	
	AL4	WO 97/24325	07-10-1997	Takeda Chemical Industries, Ltd.	
	AM4	WO 98/11093	03-19-1998	Schering Corporation	
	AN4	WO 98/11092	03-19-1998	Schering Corporation	
	AO4	GB 1 003 292	09-02-1965	Ernst Jucker et al.	
	AP4	GB 1 330 966	09-19-1973	Yoshitomi Pharmaceutical Industries Ltd.	
	AQ4	CH 421 138	03-31-1967	Dr. A. Wander AG	<input checked="" type="checkbox"/>
<i>SA</i>	AL5	DE 1 918 739	10-20-1969	Egyesult Gyogyszer-es Tapszergyar	<input checked="" type="checkbox"/>

EXAMINER <i>Li Huang</i>	DATE CONSIDERED <i>2/18/05</i>
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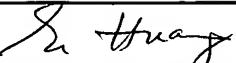
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<i>8/14</i>	AM5	WO 98/15546	04-16-1998	Novo Nordisk A/S	
	AN5	WO 99/37617	07-29-1999	Leukosite, Inc.	
	AQ5	WO 99/37619	07-29-1999	Leukosite, Inc.	
	AP5	WO 00/14089	03-16-2000	Leukosite, Inc.	
	AQ5	WO 93/02081	02-04-1993	Schering Corporation	
	AL6	WO 92/20681	11-26-1992	Schering Corporation	
	AM6	EP 0 916 668 A1	05-19-1999	Banyu Pharmaceutical Co., Ltd.	
	AN6	EP 0 309 422 A2	03-29-1989	Istituto De Angeli S.p.A.	
	AO6	JP 9-40662	02-10-1997	Kyowa Hakko Kogyo Co. Ltd.	X
	AP6	DE 33 26 641 A1	02-02-1984	BASF AG	X
	AQ6	JP 61 167663	07-29-1986	Otsuka Pharm Co Ltd	X
	AL7	GB 1109847	04-18-1968	Rhone-Poulenc S.A.	
	AM7	GB 1213172	11-18-1970	Fujisawa Pharmaceutical Co. Ltd.	
	AN7	WO 98/43638	10-08-1998	Kyowa Hakko Kogyo Co. Ltd.	X
	AO7	WO 98/46587	10-22-1998	Kyowa Hakko Kogyo Co. Ltd.	X
	AP7	WO 96/31477	10-10-1996	Schering Corporation	
	AQ7	WO 98/02151	01-22-1998	Leukosite, Inc.	
	AL8	EP 0 341 860 A1	11-15-1989	Schering Corporation	
	AM8	EP 0 515 158 A1	11-25-1992	Schering Corporation	
	AN8	EP 0 524 784 A1	01-27-1993	Schering Corporation	
	AO8	EP 0 270 692 A1	06-15-1988	Kyowa Hakko Kogyo Co. Ltd.	
	AP8	GB 1 013 574	12-15-1965	Spofa	
	AQ8	GB 1 003 950	09-08-1965	C.B. Boehringer & Soehne GmbH	
	AL9	GB 1 085 406	10-04-1967	Chas Pfizer and Co., Inc.	
<i>8/14</i>	AM9	GB 1 206 216	09-23-1970	Chas Pfizer and Co., Inc.	

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<i>SN</i>	AN9	GB 1 347 935	02-27-1974	Yoshitomi Pharmaceutical Industries, Ltd.	
	AO9	EP 0 235 796 A2	09-09-1987	Kyowa Hokko Kogyo Co, Ltd.	
	AP9	EP 0 325 755 A1	02-08-1989	Kyowa Hokko Kogyo Co, Ltd.	
	AQ9	WO 00/32193 A1	06-08-2000	Novo Nordisk	
	AL10	WO 01/09094 A2	02-08-2001	Millennium Pharmaceuticals, Inc. et al.	
	AM10	WO 01/09119 A2	02-08-2001	Millennium Pharmaceuticals, Inc. et al.	
	AN10	WO 01/09137	02-08-2001	Millennium Pharmaceuticals, Inc. et al.	
	AO10	WO 01/09138	02-08-2001	Millennium Pharmaceuticals, Inc. et al.	
<i>SN</i>	AP10	WO 03/045942	06-05-2003	Millennium Pharmaceuticals, Inc. et al.	

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

8/14	AR	Davis, M. A., <i>et al.</i> , "New Psychotropic Agents. VIII Analogs of Amitriptyline Containing Normeperidine Group," <i>J. Med. Chem.</i> , 10:627-635 (1967).
	AS	Helwig, H., <i>et al.</i> , "Helwig/Otto Arzneimittel, Ein Handbuch fur Arzte und Apotheker", pp. 4-1 through 4-24, 8th Ed., (1992).
	AT	Sindelar, Karel, <i>et al.</i> , "Potential Antidiarrheal Agents:1-(11-Cyano-6,11-Dihydrodibenzo[b,e]Thiepin-11yl-Alkyl)- and 1-(10-cyano-10,11-Dihydrodibenzo[b,f]Thiepin-10-YL-Alkyl)-4-Substituted Piperidines," <i>Collection Czechoslovak Chem. Commun.</i> 50:1089-1096 (1985).
	AU	Sindelar, K., <i>et al.</i> , <i>Chemical Abstracts</i> , 121:35275n (1994).
	AV	Sindelar, Karel, <i>et al.</i> , "Antihistamine Substances: Tricyclic Analogues of N-(4,4-Diphenyl-3Butene-1YL)Nipecotic Acid and Some Related Compounds," <i>Collection Czechoslovak Chem. Commun.</i> 59:667-674 (1994).
	AW	Ali, Fadia E., <i>et al.</i> , "Orally Active and Potent Inhibitors of $\gamma$ -Aminobutyric Acid Uptake," <i>J. Med. Chem.</i> 28:653-660 (1985).
	AX	Sindelar, Karel, <i>et al.</i> , "Potential Antihistaminics: Tricyclic Carboxylic Acids Derived from 6,11-Dihydrodibenzo[b,e]Thiepine and 4,9-Dihydrothieno[2,3-c]-2-Benzothiepine," <i>Collection Czechoslovak Chem. Commun.</i> 56:2482-2493 (1991).
	AY	Polivka, Zdenek, <i>et al.</i> , "Heterocyclic Ethers Derived from 6,11-Dihydrodibenzo-[b,e]Thiepin-11-ols and 4,9-Dihydrothieno[2,3-c]-2-Benzothiepin-4-ol; A New Series of Potential Antidepressants and Antihistamine Agents," <i>Collection Czechoslovak Chem. Commun.</i> 51:2034-2049 (1986).
	AZ	Polivka, Zdenek, <i>et al.</i> , "Antiaminic Agents Derived from Thieno[2,3-c]-2-Benzothiepin: 4-(1-Methyl-4-Piperidylidene)-4,9-Dihydrothieno[2,3-c]-2-Benzothiepin and some Related Compounds," <i>Collection Czechoslovak Chem. Commun.</i> 48:623-641 (1983).
	AR2	Rajsner, M., <i>et al.</i> , "Neurotropic and Psychotropic Compounds. XXXI Chemistry and Pharmacology of 11-(3-Dimethylaminopropylidene)-2-Methyl-6,11-Dihydrodibenzo[b,e]Thiepin and of Some Analogues," <i>Collection Czechoslovak Chem. Commun.</i> 34:1015-1024 (1969).
8/14	AS2	Rajsner, M., <i>et al.</i> , "Neurotropic and Psychotropic Substanzen XV. 4,9-Dihydrothieno[2,3-b]Benz[e]Thiepin-Derivate," <i>Collection Czechoslovak Chem. Commun.</i> 32:2854-2866 (1967).

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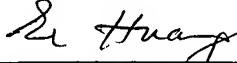
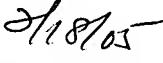
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<i>Sgt</i>	AT2	Hesselgesser, Joseph, <i>et al.</i> , "Identification and Characterization of Small Molecule Functional Antagonists of the CCR1 Chemokine Receptor", <i>The Journal of Biological Chemistry</i> , 273(25):15687-15692 (1998).	
	AU2	Masaru, E. <i>et al.</i> , <i>Chemical Abstracts</i> , 93(19), 186323f (1980).	
	AV2	Tsujikawa, T. <i>et al.</i> , <i>Chemical Abstracts</i> , 77(25), 164662h (1972).	
	AW2	Nakanishi, M. <i>et al.</i> <i>Chemical Abstracts</i> , 81:25566Z (1974).	
	AX2	Ting, P.C. <i>et al.</i> , <i>Chemical Abstracts</i> , 123:227838 (1995).	
	AY2	Kumazawa, T. <i>et al.</i> , <i>Chemical Abstracts</i> , 126:212158 (1997).	
	AZ2	Kato, K. <i>et al.</i> , <i>Chemical Abstracts</i> , 130:237480 (1999).	
	AR3	Davis, M.A. <i>et al.</i> , <i>Chemical Abstracts</i> , 67:99959 (1967).	
	AS3	Kukla, Michael J., <i>Chemical Abstracts</i> , 92:198282 (1980).	
	AT3	Protiva, M. <i>et al.</i> , <i>Chemical Abstracts</i> , 72:3387 (1970).	
	AU3	Protiva, M. <i>et al.</i> , <i>Chemical Abstracts</i> , 109:92794 (1988).	
	AV3	Protiva, M. <i>et al.</i> , <i>Chemical Abstracts</i> , 104:19527 (1986).	
	AW3	Protiva, M. <i>et al.</i> , <i>Chemical Abstracts</i> , 107:134327 (1987).	
	AX3	Sindelar, K. <i>et al.</i> , <i>Chemical Abstracts</i> , 104:33990 (1986).	
	AY3	Michaels, R.J. <i>et al.</i> , <i>Chemical Abstracts</i> , 77:88537 (1972).	
	AZ3	Foldeak, S. <i>et al.</i> , <i>Chemical Abstracts</i> , 105:172012 (1986).	
<i>SA</i>	AR4	Iorio, L.C. <i>et al.</i> , <i>Chemical Abstracts</i> , 115:126879 (1991).	

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8/14	AS4	Aftab, D.T. <i>et al.</i> , Chemical Abstracts, 116:120373 (1992).
	AT4	King, Frank D., "Bioisosteres, Conformational Restriction, and Pro-drugs-Case History: An Example of a Conformational Restriction Approach," <i>Medicinal Chemistry: Principles and Practice</i> , The Royal Society of Chemistry, London, 1995, Chapter 14, pp. 206-208.
	AU4	Foldeak, S. <i>et al.</i> , "The Mannich Reaction of 9-Acteyl- and 9, 10-Dihydro-9-Acetylanthracene. Reduction of the Mannich Bases, and Stereochemistry of the 9, 10-Dihydro Compounds," <i>Tetrahedron</i> , 41(24):5913-5918 (1985).
	AV4	Iorio, L.C. <i>et al.</i> , "Anticholinergic Drugs Potentiate Dopamine D1 but not D2 Antagonists on a Conditioned Avoidance Task in Rats," <i>J. Pharmacol. Exp. Ther.</i> , 258(1), 118-123 (1991).
	AW4	Aftab, D.T. <i>et al.</i> , "Structure-Activity Relationships of Phenothiazines and Related Drugs for Inhibition of Protein Kinase C," <i>Mol. Pharmacol.</i> 40(5):798-805 (1991).
	AX4	S.J. Rappaport, Ed., "Inflammation and Phagocytosis," In: <i>Physiological Basis of Medical Practice, Twelfth Edition</i> , J.B. West, Eds., Williams & Wilkins, Baltimore, pp. 362-368 (1990).
	AY4	Schmelz, M. and Petersen, L.J., "Neurogenic Inflammation in Human and Rodent Skin," <i>News Physiol. Sci.</i> , 16:33-37 (2001).
	AZ4	Howard, O.M.Z. <i>et al.</i> , "Chemokines: Progress Toward Identifying Molecular Targets for Therapeutic Agents," <i>TIBTECH.</i> , 14:46-51 (1996).
	AR5	Protiva, M. <i>et al.</i> , Chemical Abstracts, 107:134326 (1987).
8/14	AS5	Oshima, E. <i>et al.</i> , Chemical Abstracts, 115:256025 (1991).

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